

Patent Abstracts of Japan

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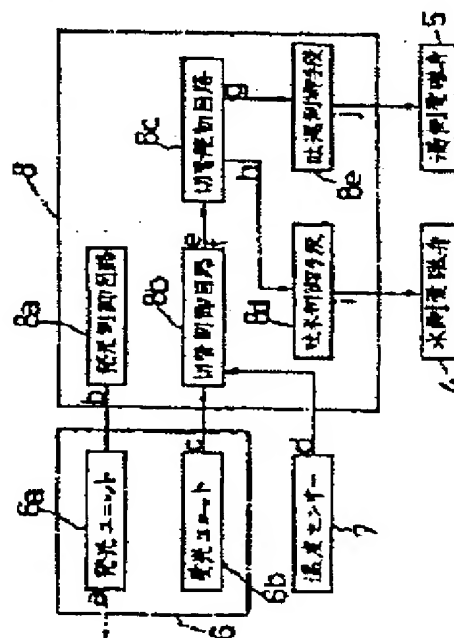
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TITLE : AUTOMATIC HOT-COLD WATER SWITCHING FAUCET



ABSTRACT : PURPOSE: To improve a usage feeling by detecting an outside temperature with a temperature sensor to discharge water or hot water when an outside temperature exceeds a preset temperature or when it does not exceed a preset temperature.

CONSTITUTION: A switching control circuit 8b receives a detection signal (c) from a light receiving unit 6b and a temperature detection signal (d) from a temperature sensor 7 and send a switching signal (e) or a switching signal (f) to a drive circuit 8c when a detected temperature by the temperature sensor 7 is lower than a preset temperature or when it is higher. The drive circuit 8 sends a drive signal (g) to a hot water discharge control means 8e or a drive signal (h) to a water discharge control means 8d when the signal (e) is input or when the signal (f) is input. When the drive signal (h) is input, the water discharge control means 8d gives output (i) to a water-side electromagnetic valve 4. On the other hand, when the drive signal (g) is input, the hot water control means 8e gives output (j) to a hot water-side electromagnetic valve 5. The outputs (i), (j) are decayed in synchronization with the decayed detection signal (c) at the detection section 6.

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